

Abstract:

Master cylinder

The invention relates to a master cylinder 1, in particular for a hydraulic brake system, with at least one pressure chamber 3 formed in a housing 2 of the master cylinder 1 and at least one reservoir bore 4 for accommodating a pressure fluid reservoir 5, a valve 6 with a closing element 7,24 being provided which due to a pressure difference prevailing between the pressure chamber 3 and the pressure fluid reservoir 5 can be moved into an opening position or a closing position, the valve 6 in its opening position allowing a pressure fluid flow S1 from the pressure fluid reservoir 5 into the pressure chamber 3 and throttling or preventing, in its closing position, a pressure fluid flow S2 in the opposite direction to the pressure fluid flow S2 from the pressure chamber 3 into the pressure fluid reservoir 5.

In order to allow not only a reduction of the lost travel of the master cylinder but also a vacuum filling of the brake system, means are provided which maintain the closing body 7,24 in its opening position when it is acted upon by a closing pressure difference due to an evacuation for the purpose of vacuum filling of the brake system and allow the closing element 7,24 to move in its closing position when the brake is actuated.

(Fig. 10)